

FLUID SAMPLE DATA				Date 7-3-74		Ticket Number 630952	
Sampler Pressure 60 P.S.I.G. at Surface				Kind of Job OPEN HOLE		Holliburton District LOVINGTON	
Recovery: Cu. Ft. Gas 0				Tester MR. PAPPAS		Witness MR. HARDWICK	
cc. Oil 200				Drilling Contractor CAPITAN DRILLING COMPANY DR S			
cc. Water 2300				EQUIPMENT & HOLE DATA			
cc. Mud				Formation Tested Lower Pennsylvania			
Tot. Liquid cc. 2500				Elevation - Ft.			
Gravity _____ ° API @ _____ °F.				Net Productive Interval 26' Ft.			
Gas/Oil Ratio _____ cu. ft./bbl.				All Depths Measured From Rotary Table			
RESISTIVITY				Total Depth 4718' Ft.			
CHLORIDE CONTENT				Main Hole/Casing Size 7 7/8"			
Recovery Water 0.187 @ 78 °F. 22500 ppm				Drill Collar Length 626' I.D. 2.25"			
Recovery Mud @ _____ °F. _____ ppm				Drill Pipe Length 3923' I.D. 3.826"			
Recovery Mud Filtrate @ _____ °F. _____ ppm				Packer Depth(s) 4614'-4620' Ft.			
Mud Pit Sample 0.135 @ 78 °F. 30,500 ppm				Depth Tester Valve 4591' Ft.			
Mud Pit Sample Filtrate @ _____ °F. _____ ppm							
Mud Weight 8.9 vis 50 cp							
TYPE		AMOUNT		Depth Back Pres. Valve		Surface Choke	
Cushion				1" Adj.		Bottom Choke .75"	
Recovered 820		Feet of total fluid					
Recovered 450		Feet of slightly gas cut drilling fluid					
Recovered 370		Feet of water					
Recovered		Feet of					
Recovered		Feet of					
Remarks SEE PRODUCTION TEST DATA SHEET							
TEMPERATURE		Gauge No. 1636		Gauge No. 35		Gauge No.	
Depth: 4710 Ft.		Depth: 4714 Ft.		Depth: Ft.		TIME	
Est. °F.		12 Hour Clock		12 Hour Clock		Hour Clock	
Blanked Off No		Blanked Off Yes		Blanked Off		Tool A.M.	
Actual 98 °F.		Pressures		Pressures		Opened 6:20 P.M.	
		Field Office		Field Office		Opened A.M.	
Initial Hydrostatic 2179 2184		2538 2190		Pressures		Bypass 11:52 P.M.	
Flow Initial 161 191		190 191		Field Office		Reported Minutes	
Flow Final 275 271		264 279				Computed Minutes	
Closed in 961 952		947 950				15 15	
Flow Initial - 192		190 191				45 46	
Flow Final 344 339		338 341				90 90	
Closed in 1695 1690		1687 1688				180 179	
Flow Initial							
Flow Final							
Closed in							
Final Hydrostatic 2156 2145		2325 2148					

FLUID SAMPLE DATA				Date 7-4-74		Ticket Number 630953	
Sampler Pressure <u>0</u> P.S.I.G. at Surface Recovery: Cu. Ft. Gas _____ cc. Oil _____ cc. Water _____ cc. Mud <u>1800</u> Tot. Liquid cc. <u>1800</u> Gravity _____ ° API @ _____ °F. Gas/Oil Ratio _____ cu. ft./bbl.				Kind of Job STRADDLE TEST OPEN HOLE		Halliburton District LOVINGTON	
				Tester PAPPAS THURMAN		Witness HARDWICK	
Drilling Contractor CAPITAN DRILLING COMPANY				NM S			
EQUIPMENT & HOLE DATA							
Formation Tested Lower Pennsylvania Elevation 6043' ? Ft. Net Productive Interval 12' Ft. All Depths Measured From Kelly Bushing Total Depth 4718' Ft. Main Hole/Casing Size 7 7/8" Drill Collar Length 626' I.D. 2.25" Drill Pipe Length 3998' I.D. 3.826" Packer Depth(s) 4617' - 4623' - 4680' - 4686' Ft. Depth Tester Valve 4577' Ft.							
TYPE NONE AMOUNT Cushion NONE		Depth Back Pres. Valve NONE		Surface Choke 1" ADJ.		Bottom Choke .75"	
Recovered 180' Feet of drilling mud							
Recovered _____ Feet of _____							
Recovered _____ Feet of _____							
Recovered _____ Feet of _____							
Recovered _____ Feet of _____							
Remarks Tool opened with a good blow - which was increasing during the 15 minute first flow. Closed tool for a 33 minute first closed in pressure. Tool reopened for a 115 minute second flow with a good blow - which decreased. Took a 180 minute second closed in pressure.							
TEMPERATURE Gauge No. 1636 Depth: 4597' Ft. Est. _____ °F. 4177' @ Actual 98°		Gauge No. 35 Depth: 4640' Ft. Blanked Off NO		Gauge No. _____ Depth: _____ Ft. Blanked Off YES		TIME Tool _____ A.M. Opened 11:35 P.M. Opened _____ A.M. Bypass 5:18 P.M.	
Pressures		Pressures		Pressures		Reported	Computed
	Field	Office	Field	Office	Field	Office	Minutes
Initial Hydrostatic	2087	2124	2112	2133			
First Period	Flow Initial	69	78	84	152		
	Flow Final	69	75	84	81		
	Closed in	624	662	633	668	15	15
Second Period	Flow Initial	69	74	84	79		
	Flow Final	69	74	84	88		
	Closed in	1672	1654	1644	1661	115	115
Third Period	Flow Initial						
	Flow Final						
	Closed in					180	180
Final Hydrostatic	2087	2050	2091	2077			